



## Don't let Blackspotting ruin your catch

### NCC have the perfect cost effective solutions

A **major challenge** in the fishing industry is ensuring that **freshly caught prawns, shrimp and crustaceans retain their full market value**. The onset of melanosis otherwise known as **Blackspot** has **traditionally been treated with sodium metabisulphite**. However doing so only hides melanosis by bleaching it out rather than curing the problem. The product has also been know to cause allergic reactions.

### Keep your catch fresh, tasty and appealing for longer

**NCC Food Ingredients** in conjunction with our partner, **PH7** have the perfect solution; **Crustaxyl**. This specially formulated product will **keep your catch fresh, tasty, appealing** and **without sodium metabisulphite**.

We also offer a **reduced sodium metabisulphite** product, **Q20**. Both **Crustaxyl** and **Q20** work by inhibiting the enzyme that causes melanosis in crustaceans once they have been captured.

### Benefits and advantages of Crustaxyl and Q20 include:

Crustaxyl - Sulphite Free	Q20 - Reduced Sulphites
Better value – More cost effective than other competitor products	Very cost effective
Maintains the original colour and texture for up to 11 days refrigerated and 24 months frozen, longer than sodium metabisulphite, Q20 & most other products on the market	Maintains the original colour and texture for longer periods of time than only sodium metabisulphite
Does not modify the taste characteristics of prawns, shrimp and crustaceans	Does not modify the taste characteristics of prawns, shrimp and crustaceans
Contrary to other non-sulphite products, provides the raw material an intense brightness, maintains the intensity of the eyeball and strengthens the soft part of crustaceans	Effective & Versatile – Can be used with all types of crustaceans: Langoustines, Shrimp, Prawn, Lobster, Crab, Crawfish, etc.
Effective & Versatile – Can be used with all types of crustaceans: Langoustines, Shrimp, Prawn, Lobster, Crab, Crawfish, etc.	
An antioxidant	
Non allergenic	
Safe to handle and use	
No smell	

## Crustaxyl

**Crustaxyl Powder 25** is a product **free from sulphites**, specially designed to preserve and inhibit the melanosis in all species of crustaceans. It can be used after capture, on board or on land. Treatment is easy to apply and yields desirable results quickly. **It doesn't change any characteristics, maintaining the original colour and texture for longer periods of time.**

Application	Dilute 1% of Crustaxyl Powder 25 in water at a temperature between 0°C and 3°C. Add between 1.0% and 1.5% of salt and stir the mixture. Dip the crustaceans for 5 to 10 minutes. <b>Bath ratio:</b> crustaceans must be 2:1, this bath mixture can be reused between four to six times. For example; <b>a bath of 100 litres serves to treat 300 kg of crustaceans in shifts of 75 or 100 kg</b>
Technological function	The use of Crustaxyl Powder 25 inhibits the action of polyphenol oxidase which is the enzyme responsible of melanosis development in crustaceans once they have been captured
Characteristics	<b>Appearance:</b> White powder, Density (20°C): 1,01 g/cm <sup>3</sup> , pH: 3.5
Packaging	<b>Carton bag:</b> 25 Kg
Legislation	Crustaxyl Powder 25 is based on 4-Hexylresorcinol, which is approved by European Directive 2006-52CE, Generally Recognised As Safe (GRAS) in the USA and classified as a processing aid in most countries as well as recognised by the Chinese Health Authorities. There is specific legislation in New Zealand, Canada, South Africa and Australia

## Q20

**Q20** is a product especially formulated with **reduced levels of sodium metabisulphite** that **prevents black spots in all types of crustaceans**, whilst maintaining the colour and appearance of the product. It can be used after capture, on board or on land. **Easy to apply and effective quickly.** It keeps the colour and the original texture of the product during a long period of time.

Application	Dilute 3% of Q20 in sea water at a temperature of 5°C or lower, ice can be used in the process. Mix the solution well and then add the crustaceans. Dip the crustaceans for 5 minutes. <b>Bath ratio:</b> A bath of 200 litres can treat 600 kg of crustaceans, after which a new bath of solution is required.
Technological function	Q20 Inhibits the polyphenol oxidase enzyme that causes melanosis in crustaceans once they have been captured
Characteristics	<b>Appearance:</b> White powder, Bulk density: 1,22 g/cm <sup>3</sup> , pH (sol. 1%): 5,0
Packaging	<b>Carton bag:</b> 25 Kg
Legislation	The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and the Council of 16 September 2009 on substances that deplete the ozone layer

Aside from the products **Crustaxyl** and **Q20**, **NCC Food Ingredients** also supplies **sodium metabisulphite**.

### For further information contact:

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